

Operational Division	Business Unit	Functional Area	Operational Area / Depot	Work Area	Main Process	Activity / Service	Root line / Major = 1 Minor = 2 Non-root = 3 m/A	Hazard (Causes, Aspects,...)	Category (S, SEC, H, F, RS, Q, C, F, CM, ...)	Risk Rating (Scale 1 to 25)	Impact (Load by for the identified risk/impacts)	Is there an opportunity for the risk/impacts?	Inherent Risk Assessment					Existing Control (Mitigation)	Residual Risk Assessment						Management Action (Recommended Additional Controls)	Responsible Person	Action Due Date	Action Status			
													Frequency	Probability	Consequence	Inherent Risk Value	Risk Classification		Substitution	Engineering Controls	Administrative Controls	Last Resort	Control Effectiveness	Residual Risk Value					Control effectiveness Classification	Desired Control Effectiveness (DCE)	Risk Classification
Transport & Freight Rail	Rail Network	Rehabilitation Maintenance and Emergency (RME)	Deal Party	Port Of Mossel Bay	Replacing Roll-up doors	Transporting material and equipment to work area	1	Defective vehicle can cause accidents and property damage. Incompetent driver can cause accidents and property damage.	S	Injury	Injury	Yes	4	3	100	1200	HIGH	Substitution: 1. None Engineering Control: 2. None Administrative Control: 3. None Last Event: 4. PPE	30%	Requires Improvement	None	Not Practicable	0.0%	800	None	90%	MEDIUM	Vehicle to be in good working condition. It must undergo regular services and Daily inspections to be done. Driver to be competent. Driver to have valid driver's license. Driver to obey the speed limit on site.  PPE to be worn by all personnel working on site. Employees to request assistance when carrying heavy material. 2. All Moving machinery must have reverse alarm. The safety of the public to be ensured. 3. All staff to receive induction training prior to being allowed on site. 4. All work to be done under the general supervision of competent Supervisor.	Supervising	On-going	In Progress
Transport & Freight Rail	Rail Network	Rehabilitation Maintenance and Emergency (RME)	Deal Party	Port Of Mossel Bay	Replacing Roll-up doors	Loading/ Offloading of materials	1	Injuries to staff due to the movement of material or machinery.	S	Injury	Injury	Yes	3	3	100	900	MEDIUM	Substitution: 1. None Engineering Control: 2. None Administrative Control: 3. None Last Event: 4. PPE	None	Not Practicable	Requires Improvement	Satisfactory	0.0%	900	None	90%	LOW	Visually inspect the area prior to work. 2. Bring in all required equipment and materials into working zone 3. Bring shutter door down to ground level. (Manually or use of power) 4. Disconnect and isolate electrical power supply 5. Position and secure ladders on either side of the shutter door (depending on height and width of door, scaffold tower maybe required central to the door)  Use qualified electricians to erect platform SWP to be communicated. 2. Qualified scaffold erected to inspect platform and approve for use. Communicate safe work procedure, working from platform SWP to be communicated. Ensure correct PPE is worn. Ladders used for working at height will be inspected prior to use and will be maintained in a good working condition. • Only Class 1 Step ladders will be used on site. • If ladders are to be used they will be securely locked and where possible, tied on. Ladders will only be used for short duration work	Supervising	On-going	In Progress
Transport & Freight Rail	Rail Network	Rehabilitation Maintenance and Emergency (RME)	Deal Party	Port Of Mossel Bay	Replacing Roll-up doors	Work from scaffold platform/ ladders	1	Working from incorrectly erected scaffold can cause injury, falls from height, tears falling from height	S	Injury	Injury	Yes	4	3	100	1200	HIGH	Substitution: 1. None Engineering Control: 2. None Administrative Control: 3. None Last Event: 4. PPE	Satisfactory	Requires Improvement	None	Not Practicable	0.0%	800	None	90%	MEDIUM				

Transport Freight Rail	Rail Network (RWE)	Rehabilitation Maintenance and Emergency (RME)	Deal Party Deal Party	Port Of Messel Bay	Replacing Roll-up doors	Loosening bricks with tools and equipment	1	Potential injury associated with use of hand tools - cuts, pinch, knocks and abrasions	S	Injury	Injury	Yes	3	3	100	900	MEEDIUM	Substitution: 1. None 2. Engineering Control: 1. None 3. Administrative Control: 1. DSDT Last Revisit: 1. PPE	None	Not Practical	Requires Improvement	Satisfactory	0.0%	900	None	90%	LOW	Inspect hand tools prior to use Provide safety gloves All tools are visually inspected before use • Operatives are responsible to keep tools in good condition and report any defects. Faulty tools will be replaced • Competent users • Specific equipment/tools are only used by competent users	Superv ising	Ongoing In Progress
Transport Freight Rail	Rail Network (RWE)	Rehabilitation Maintenance and Emergency (RME)	Deal Party Deal Party	Port Of Messel Bay	Replacing Roll-up doors	Drill holes through frame into brickwork to prepare for new doors	1	Damaged electric equipment can cause electric shock. Drill can jerk or bite into brickwork and cause hand injury. Debris from drilling can cause eye injuries. Noise from drill can cause hearing damage. Dust can cause harm.	S	Injury	Injury	Yes	4	3	100	1200	HIGH	Substitution: 1. None 2. Engineering Control: 1. None 3. Administrative Control: 1. DSDT Last Revisit: 1. PPE	Satisfactory	Requires Improvement	None	Not Practical	0.0%	800	None	90%	MEDIUM	Ensure drill is inspected as per daily safety register. Communicate safe work procedure for operating a power drill. Provide safety glasses. Debris will be swept up with a broom, and placed in a bin. Provide ear plugs or muffs. Provide dust mask (FP2) Ensure proper ventilation	Superv ising	Ongoing In Progress
Transport Freight Rail	Rail Network (RWE)	Rehabilitation Maintenance and Emergency (RME)	Deal Party Deal Party	Port Of Messel Bay	Replacing Roll-up doors	Installing new Roll-up doors	1	Fingers can be pinched between frames causing cuts or bruises. Injuries due to slips, trip and fall. Manual handling. Back overexertion. Electrocution. Falls from heights	S	Injury	Injury	Yes	4	3	100	1200	HIGH	Substitution: 1. None 2. Engineering Control: 1. None 3. Administrative Control: 1. DSDT Last Revisit: 1. PPE	Satisfactory	Requires Improvement	None	Not Practical	0.0%	800	None	90%	MEDIUM	Provide safety gloves. Communicate safe work procedure for hand tools. Bring in all required equipment and materials into working zone. 3. Install shutter door by use of lifting machinery. Position and secure ladders on either side of the shutter door (depending on height and width of door, scaffold tower maybe required central to the door)	Superv ising	Ongoing In Progress
Transport Freight Rail	Rail Network (RWE)	Rehabilitation Maintenance and Emergency (RME)	Deal Party Deal Party	Port Of Messel Bay	Replacing Roll-up doors	Housekeeping	1	Injuries to personal (slips trips and falls) due to material or tools laying around	S	Injury	Injury	Yes	3	3	100	900	MEEDIUM	Substitution: 1. None 2. Engineering Control: 1. None 3. Administrative Control: 1. DSDT Last Revisit: 1. PPE	None	Not Practical	Requires Improvement	Satisfactory	0.0%	800	None	90%	LOW	Inspect work area after fitment. Ensure all doors have been disposed off in designated area. Ensure area is kept clean and tidy	Superv ising	Ongoing In Progress